

*IN*AQUA™

powered by water

PORTFOLIO
REVERSE OSMOSIS

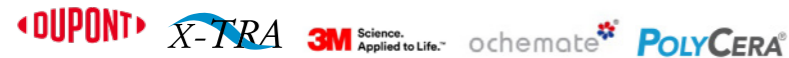


MEMBRANE TECHNOLOGY

Membrane systems for reverse osmosis, nano- and ultrafiltration as well as membrane degassing



- Filmtec™ Reverse osmosis and nanofiltration elements
 - 1.5" - 8" diameter
 - Desalination of brackish, seawater and drinking water
- IntegraTec™ Ultrafiltration
 - Membrane area of up to 80 m²
 - Removal of solids
- 3M™ Liqui-Cel™ Membrane contactors
 - Wide range of sizes and designs
 - Removal of gases such as CO₂ and O₂
- Ochemate Capillary nanofiltration modules in their own housing
 - Membrane area of up to 55 m²
 - Reduction of water hardness, removal of organics and humic substances
- PolyCera® Nano- and ultrafiltration elements
 - Solids content up to 10,000 mg/l due to large 120 mil spacer
 - Treatment of water containing oil and grease with up to 50 mg/l
- X-Tra Reverse osmosis and nanofiltration elements
 - Customised membrane material and spacers
 - Private labelling



CONTROL UNIT

Yara VaGo control and monitoring systems



- Automatic control and regulation of reverse osmosis, nanofiltration, ultrafiltration, softening, and filtration systems
- Intuitive operation and programming via touch panel
- Connection to control rooms
- Analogue and digital inputs and outputs can be freely parameterised
- Integrated data recorder
- Remote monitoring via mobile devices

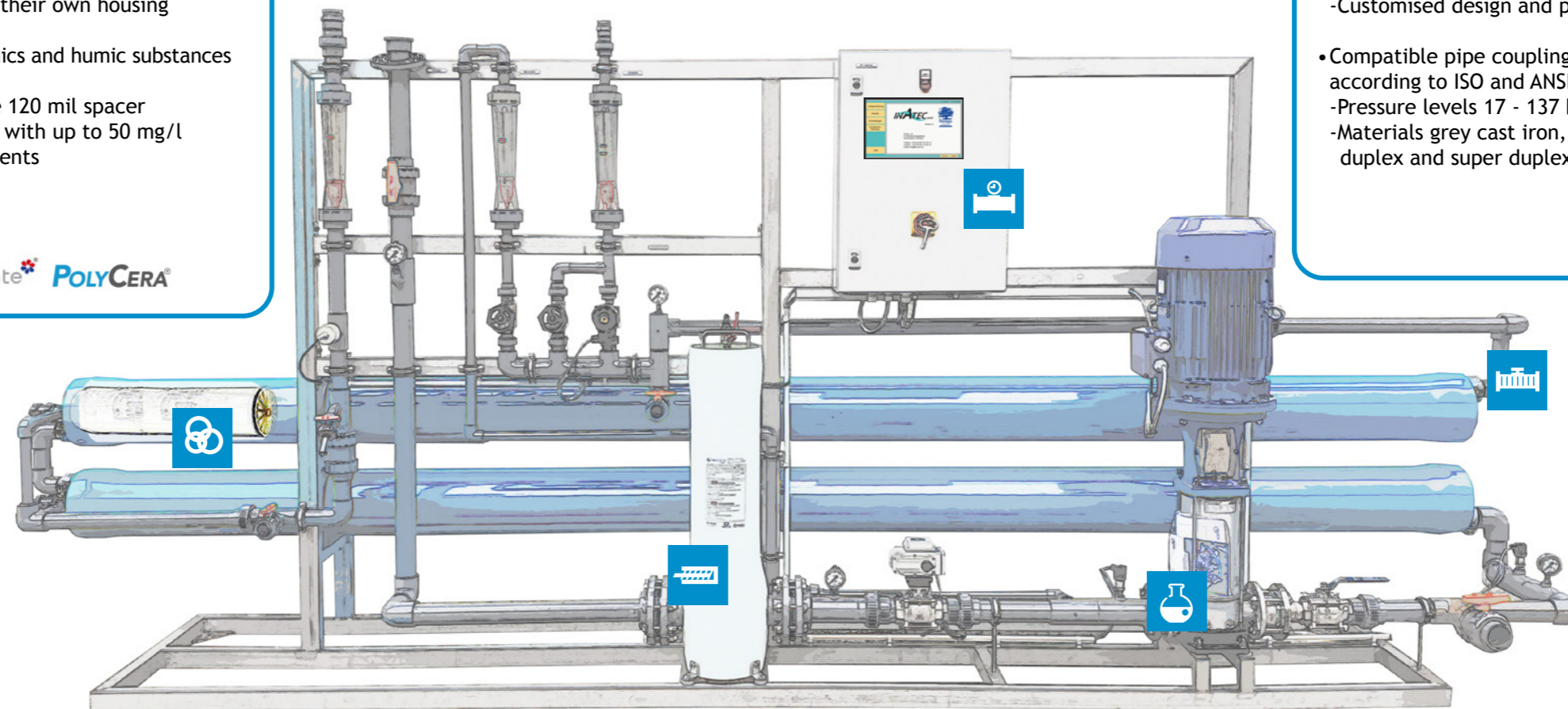
YARA VAGO
INATEC

PRESSURE VESSELS

Pressure housings for membranes in GRP and stainless steel



- Pressure tubes made of glass-fibre reinforced plastic or robust stainless steel
 - 2.5" - 10" diameter
 - Pressure levels 10 - 120 bar (150 - 1740 psi)
 - End port and side port solutions with multiple port configurations
 - Versions according to PED or ASME X
 - Customised design and painting available
- Compatible pipe couplings for applications according to ISO and ANSI standards
 - Pressure levels 17 - 137 bar (250 - 2000 psi)
 - Materials grey cast iron, stainless steel 316L, duplex and super duplex steel, plastics



FILTRATION SYSTEMS

Standard · FilterBlue · FilterBlanc · FilterBlack · FilterMax



- Standard filter cartridges and housings
 - Length 9 3/4" - 40"
 - Filtration gradient 100 - 1 µm
 - Meltblown, spiral-wound, pleated, optionally washable
- Exclusive modular filtration systems in GRP and stainless steel
 - Flow rate 18 - 216 m³/h
 - Filtration gradient 3,000 - 1 µm
 - (Backwashable) Filters, basket filters, bag filters
 - Reusable high-performance filter cartridges
- Automatic backwashable filter systems in GRP and stainless steel
 - Flow rate 18 - 216 m³/h
 - Filtration gradient 800 - 50 µm
- Production in Europe



MEMBRANE CHEMICALS

RAVASOL™ · Vitec™ · RoClean™ · Kuriverter™



- Antiscalants
- Acidic and alkaline membrane cleaners
- Cleaning enhancers
- Biocides and preservative solutions
- Extending membrane service life
- Increasing the plant performance
- Manufactured in Europe according to § 11 of the German Drinking Water Ordinance (TrinkwV) and according to DIN EN 15039 and DIN EN 1504



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